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08/552,839
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Paper # 6

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FILE 'USPAT' ENTERED AT 11:15:09 ON 12 FEB 1998

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  *                W E L C O M E   T O   T H E                        *
  *          U. S.   P A T E N T   T E X T   F I L E                  *
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=> s adenovirus? or adenoviral

          2421 ADENOVIRUS?
           159 ADENOVIRAL
L1        2452 ADENOVIRUS? OR ADENOVIRAL

=> s l1 and late

         25443 LATE
L2        1072 L1 AND LATE

=> s l2 and late gene?

         25443 LATE
       1274088 GENE?
           120 LATE GENE?
                 (LATE(W)GENE?)
L3          46 L2 AND LATE GENE?

=> s l3 and inducib?

          2972 INDUCIB?
L4          16 L3 AND INDUCIB?

=> d l4,1-16,cit,ab
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1. 5,695,963, Dec. 9, 1997, Endothelial PAS domain protein; Steven L. McKnight, et al., 435/69.1, 7.1, 243, 325; 530/350; 536/23.5, 24.31 [IMAGE AVAILABLE]

US PAT NO: 5,695,963 [IMAGE AVAILABLE] L4: 1 of 16

ABSTRACT:
The invention provides methods and compositions relating to endothelial PAS domain protein 1 (EPAS1) and related nucleic acids. The proteins may be produced recombinantly from transformed host cells from the disclosed EPAS1 encoding nucleic acids or purified from human cells. The invention provides isolated EPAS1 hybridization probes and primers capable of specifically hybridizing with the disclosed EPAS1 gene, EPAS1-specific binding agents such as specific antibodies, and methods of making and using the subject compositions in diagnosis, therapy and in the biopharmaceutical industry.

2. 5,688,640, Nov. 18, 1997, Methods of screening of effectors of endothelin converting enzyme-1; Masashi Yanagisawa, 435/6, 24, 29, 69.1, 172.3, 252.3 [IMAGE AVAILABLE]

US PAT NO: 5,688,640 [IMAGE AVAILABLE] L4: 2 of 16

ABSTRACT:
Endothelin-1 (ET-1), [redacted]-residue vasoactive peptide, [redacted] produced in vascular endothelial cells from the 38-residue inactive intermediate, big endothelin-1 via a specific cleavage at Trp21-Val22. The protease that catalyzes the conversion, endothelin converting enzyme (ECE), constitutes a potential regulatory site for the production of the active peptide. Disclosed herein is the identification of ECE-1, a novel membrane-bound neutral Zn.sup.2+ metalloprotease that is expressed abundantly in endothelial cells in vivo, and structurally related to neutral endopeptidase 24.11 and Kell blood group protein. When transfected into cultured cells that normally secrete only big ET-1, the ECE-1 cDNA conferred the ability to secrete mature ET-1. In transfected cells, ECE-1 processes endogenously synthesized big ET-1 as well as exogenously supplied big ET-1, which interacts with ECE-1 on the cell surface. The remarkable specificity of ECE-1 provides a target for selective pharmacological intervention to alter ET-1 production in certain clinical disorders.

3. 5,672,479, Sep. 30, 1997, Methods for identifying compounds that bind to PUR protein; Edward M. Johnson, et al., 435/7.1, 7.23, 7.71, 7.93; 530/300, 358; 935/39, 41 [IMAGE AVAILABLE]

US PAT NO: 5,672,479 [IMAGE AVAILABLE] L4: 3 of 16

ABSTRACT:
The present invention relates to the PUR protein, nucleotide sequences and expression vectors encoding PUR, and to methods for inhibiting PUR activity. Inhibitors of PUR activity may be used to treat hyperproliferative diseases such as cancer.

4. 5,665,590, Sep. 9, 1997, Method for isolating and directly cloning genes which encode cell-surface and secreted proteins; Zhi Yang, 435/6, 172.3, 320.1 [IMAGE AVAILABLE]

US PAT NO: 5,665,590 [IMAGE AVAILABLE] L4: 4 of 16

ABSTRACT:
Methods and DNA cloning vectors are provided for obtaining genes encoding secreted proteins and cell surface proteins.

5. 5,658,761, Aug. 19, 1997, Stromal cell lines from human bone marrow and their use; Karin Thalmeier, et al., 435/69.4, 69.51, 69.52, 172.1, 172.3, 372, 373 [IMAGE AVAILABLE]

US PAT NO: 5,658,761 [IMAGE AVAILABLE] L4: 5 of 16

ABSTRACT:
A human bone marrow stromal cell line, which is characterized in that the cells of the cell line, after irradiation which results in the growth being arrested, remain adherent, is suitable for use as a feeder layer for supporting the proliferation of blood cells.

6. 5,652,224, Jul. 29, 1997, Methods and compositions for gene therapy for the treatment of defects in lipoprotein metabolism; James M. Wilson, et al., 514/44; 424/93.21; 435/172.3, 320.1, 325, 354, 366, 369, 370 [IMAGE AVAILABLE]

US PAT NO: 5,652,224 [IMAGE AVAILABLE] L4: 6 of 16

ABSTRACT:
The invention provides a recombinant viral vector comprising the DNA of, or corresponding to, at least a portion of the genome of an **adenovirus**, which portion is capable of infecting a hepatic cell; and a human VLDL receptor gene operatively linked to regulatory sequences directing its expression. The vector is capable of expressing the normal

VLDL receptor gene product in hepatic cells in vivo or in vitro. This viral vector is useful in the treatment of metabolic disorders caused by the accumulation of LDL in plasma, such as familial hypercholesterolemia or familial combined hyperlipidemia.

7. 5,650,550, Jul. 22, 1997, Mutant mice having a deficit of functional estrogen receptors; Kenneth S. Korach, et al., 800/2; 435/172.3, 354; 800/DIG.1; 935/10, 70 [IMAGE AVAILABLE]

US PAT NO: 5,650,550 [IMAGE AVAILABLE] L4: 7 of 16

ABSTRACT:
The present invention provides a mutant non-human vertebrate, in which all or some of the germ and somatic cells contain a mutation in at least one steroid hormone receptor allele, which mutation is introduced into the vertebrate, or an ancestor of the vertebrate, at an embryonic stage, and which mutation produces a phenotype in the vertebrate characterized by a deficit of functional steroid hormone receptors encoded by the allele. Also disclosed are related methods and constructs.

8. 5,641,670, Jun. 24, 1997, Protein production and protein delivery; Douglas A. Treco, et al., 435/254.11, 320.1 [IMAGE AVAILABLE]

US PAT NO: 5,641,670 [IMAGE AVAILABLE] L4: 8 of 16

ABSTRACT:
The invention relates to constructs comprising: a) a targeting sequence; b) a regulatory sequence; c) an exon; and d) an unpaired splice-donor site. The invention further relates to a method of producing protein in vitro or in vivo comprising the homologous recombination of a construct as described above within a cell. The homologously recombinant cell is then maintained under conditions which will permit transcription and translation, resulting in protein expression. The present invention further relates to homologously recombinant cells, including primary, secondary, or immortalized vertebrate cells, methods of making the cells, methods of homologous recombination to produce fusion genes, methods of altering gene expression in the cells, and methods of making a protein in a cell employing the constructs of the invention.

9. 5,639,661, Jun. 17, 1997, Genes and proteins for treating cystic fibrosis; Michael J. Welsh, et al., 435/252.3, 320.1; 536/23.5, 24.3 [IMAGE AVAILABLE]

US PAT NO: 5,639,661 [IMAGE AVAILABLE] L4: 9 of 16

ABSTRACT:
Disclosed are genes encoding novel CF monomer proteins which have cystic fibrosis transmembrane conductance regulator (CFTR) protein function.

10. 5,627,033, May 6, 1997, Mammalian expression vectors; John M. Smith, et al., 435/6, 91.41, 172.3, 320.1, 325, 358, 365 [IMAGE AVAILABLE]

US PAT NO: 5,627,033 [IMAGE AVAILABLE] L4: 10 of 16

ABSTRACT:
A vector system that allows the rapid and effective screening of recombinant constructs. The vector system includes a marker protein useful for identifying transfected cell lines, wherein the promoter used to express the marker protein has be substantially weakened in comparison to its corresponding wild type form.

11. 5,589,358, Dec. 31, 1996, Ileal bile acid transporter compositions and methods; Paul A. Dawson, 435/69.1, 172.3, 252.3, 320.1, 325, 348, 350, 352, 358, 364, 365, 367, 369; 530/846; 536/23.5, 24.3 [IMAGE AVAILABLE]

US PAT NO: 5,589,[redacted] [IMAGE AVAILABLE] [redacted]: 11 of 16

ABSTRACT:
Bile acids are absorbed from the small intestine by an passive and an active mechanism. The active mechanism involves a Na.sup.+ /bile acid cotransporter. A cDNA encoding the ileal bile acid cotransporter has been isolated and sequenced. The amino acid sequence of the cotransporter protein is also disclosed. The renal bile acid cotransporter is also shown to be identical to the ileal cotransporter. The cotransporter disclosed herein will have use in treatment of hypercholesterolemia, diabetes, heart disease and liver disease. In addition, methods of screening man made and naturally occurring substances for the discovery of new bile acid transport inhibitors and activators and methods of detecting mutations in human ileal/renal bile acid transporter genes are disclosed.

12. 5,532,339, Jul. 2, 1996, Fusion protein between human macif and a heterologous pi anchor domain; Motowo Tomita, et al., 530/350; 435/69.7; 530/324, 380 [IMAGE AVAILABLE]

US PAT NO: 5,532,339 [IMAGE AVAILABLE] L4: 12 of 16

ABSTRACT:
Fusion proteins comprising the extracellular domain of the human MACIF (Membrane Attack Complex Inhibition Factor) gene product and a heterologous phosphatidylinositol (PI) anchor domain are provided.

13. 5,514,578, May 7, 1996, Polynucleotides encoding insect steroid hormone receptor polypeptides and cells transformed with same; David S. Hogness, et al., 435/325, 252.3, 348; 536/23.5 [IMAGE AVAILABLE]

US PAT NO: 5,514,578 [IMAGE AVAILABLE] L4: 13 of 16

ABSTRACT:
Polynucleotide sequences which encode ecdysone receptors have been isolated and expressed in host cells.

14. 5,474,935, Dec. 12, 1995, Adeno-associated virus (AAV)-based eucaryotic vectors; Saswati Chatterjee, et al., 435/320.1; 424/93.1, 93.2; 435/172.3; 935/22, 32, 57 [IMAGE AVAILABLE]

US PAT NO: 5,474,935 [IMAGE AVAILABLE] L4: 14 of 16

ABSTRACT:
The present invention relates to adeno-associated virus (AAV)-based eucaryotic vectors and uses thereof. Such vectors may, for example, be used to down regulate any targeted viral or cellular gene whose sequence is known. Furthermore, the vectors may also be used to cause the expression of proteins.

15. 5,428,070, Jun. 27, 1995, Treatment of vascular degenerative diseases by modulation of endogenous nitric oxide production of activity; John P. Cooke, et al., 514/557, 310 [IMAGE AVAILABLE]

US PAT NO: 5,428,070 [IMAGE AVAILABLE] L4: 15 of 16

ABSTRACT:
Atherogenesis and restenosis are treated by long term administration of physiologically acceptable compounds which enhance the level of endogenous nitric oxide in the host. Alternatively, or in combination, other compounds may be administered which provide for short term enhancement of nitric oxide, either directly or by physiological processes. In addition, cells may be genetically engineered to provide a component in the synthetic pathway to nitric oxide, so as drive the

process to enhance nitric oxide concentration, particularly in conjunction with the [redacted]inistration of a nitric oxide [redacted]cursor.

16. 4,988,624, Jan. 29, 1991, Lymphotoxin DNA, lymphotoxin expression vector; Tetsu Kakutani, et al., 435/320.1, 172.3; 536/23.2, 23.5, 23.51, 24.1; 935/27, 36 [IMAGE AVAILABLE]

US PAT NO: 4,988,624 [IMAGE AVAILABLE] L4: 16 of 16

ABSTRACT:
A chromosomal DNA sequence which codes for human lymphotoxin, a lymphotoxin expression vector which contains a DNA sequence wherein a chromosomal DNA sequence coding for human lymphotoxin and promoter region which functions in animal cell are linked together, lymphotoxin resistant cell line, transformed animal cell culture which is formed by transforming cultured animal cell with a lymphotoxin expression vector which contains a chromosomal DNA sequence coding for human lymphotoxin and, a process for preparing human lymphotoxin, which comprises transforming cultured animal cell with a lymphotoxin expression vector which contains a chromosomal DNA sequence coding for human lymphotoxin, culturing the transformed cell culture to produce human lymphotoxin, and collecting the human lymphotoxin.
According to the present invention, LT which is expected for application as the antitumor agent can be produced effectively in a large amount.

ILIGHT set on as ' '
? begin 5,6,55,154,155,156,312,399,351,biotech,biosci

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 Set  Items  Description
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? s adenovir? and late gene?

Processed  40 of  57 files ...
Processing
Completed processing all files
          125183  ADENOVIR?
            1558  LATE GENE?
      S1     663  ADENOVIR? AND LATE GENE?
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             663  S1
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      S2      34  S1 AND INDUCIB?
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>>>Duplicate detection is not supported for File 42.
>>>Duplicate detection is not supported for File 140.
>>>Duplicate detection is not supported for File 187.
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>>>Duplicate detection is not supported for File 446.
>>>Duplicate detection is not supported for File 449.
>>>Duplicate detection is not supported for File 452.
>>>Duplicate detection is not supported for File 455.
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      Display 3/3/1     (Item 1 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

16219119   Genuine Article#: YL010   No. References: 84
Title: The tripartite leader sequence of subgroup C adenovirus major
    late mRNAs can increase the efficiency of mRNA export
Author(s): Huang W; Flint SJ  (REPRINT)
Corporate Source: PRINCETON UNIV,DEPT MOL BIOL/PRINCETON//NJ/08544
    (REPRINT); PRINCETON UNIV,DEPT MOL BIOL/PRINCETON//NJ/08544
Journal: JOURNAL OF VIROLOGY, 1998, V72, N1 (JAN), P225-235
ISSN: 0022-538X   Publication date: 19980100
Publisher: AMER SOC MICROBIOLOGY, 1325 MASSACHUSETTS AVENUE, NW,
    WASHINGTON, DC 20005-4171
Language: English   Document Type: ARTICLE   (ABSTRACT AVAILABLE)

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      Display 3/3/2     (Item 2 from file: 434)
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DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

14779058 Genuine Article#: UL104 No. References: 91
Title: MESSENGER-RNA EXPORT CORRELATES WITH ACTIVATION OF TRANSCRIPTION IN HUMAN SUBGROUP-C **ADENOVIRUS**-INFECTED CELLS
Author(s): YANG UC; HUANG W; FLINT SJ
Corporate Source: PRINCETON UNIV,DEPT MOLEC BIOL/PRINCETON//NJ/08544; PRINCETON UNIV,DEPT MOLEC BIOL/PRINCETON//NJ/08544
Journal: JOURNAL OF VIROLOGY, 1996, V70, N6 (JUN), P4071-4080
ISSN: 0022-538X
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/3 (Item 3 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

14454261 Genuine Article#: TN847 No. References: 50
Title: DEVELOPMENT OF CELL-LINES CAPABLE OF COMPLEMENTING E1, E4, AND PROTEIN-IX DEFECTIVE **ADENOVIRUS** TYPE-5 MUTANTS
Author(s): KROUGLIAK V; GRAHAM FL
Corporate Source: MCMASTER UNIV,DEPT BIOL,1280 MAIN ST W/HAMILTON/ON L8S 4K1/CANADA/; MCMASTER UNIV,DEPT BIOL/HAMILTON/ON L8S 4K1/CANADA/; MCMASTER UNIV,DEPT PATHOL/HAMILTON/ON L8S 4K1/CANADA/
Journal: HUMAN GENE THERAPY, 1995, V6, N12 (DEC), P1575-1586
ISSN: 1043-0342
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/4 (Item 4 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

14402200 Genuine Article#: TJ650 No. References: 47
Title: EFFICIENT DUAL TRANSCOMPLEMENTATION OF **ADENOVIRUS** E1 AND E4 REGIONS FROM A 293-DERIVED CELL-LINE EXPRESSING A MINIMAL E4 FUNCTIONAL UNIT
Author(s): YEH P; DEDIEU JF; ORSINI C; VIGNE E; DENEFLE P; PERRICAUDET M
Corporate Source: RHONE POULENC RORER GENCELL,INST GUSTAVE ROUSSY,VIRUS ONCOGENES LAB,CNRS,URA 1301/F-94805 VILLEJUIF//FRANCE/; RHONE POULENC RORER GENCELL,CTR RECH VITRY ALFORTVILLE/F-94403 VITRY//FRANCE/
Journal: JOURNAL OF VIROLOGY, 1996, V70, N1 (JAN), P559-565
ISSN: 0022-538X
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/5 (Item 5 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
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13221063 Genuine Article#: NY181 No. References: 34
Title: IDENTIFICATION OF A HIGH-MOLECULAR-WEIGHT CELLULAR PROTEIN COMPLEX CONTAINING THE **ADENOVIRUS** DNA-BINDING PROTEIN
Author(s): RICIGLIANO JW; BROUGH DE; KLESSIG DF
Corporate Source: RUTGERS STATE UNIV,WAKSMAN INST MICROBIOL,POB 759/PISCATAWAY//NJ/08855; RUTGERS STATE UNIV,WAKSMAN INST MICROBIOL/PISCATAWAY//NJ/08855
Journal: VIROLOGY, 1994, V202, N2 (AUG 1), P715-723

ISSN: 0042-6822
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/6 (Item 6 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

12689995 Genuine Article#: MF888 No. References: 77
Title: AN AP-1 BINDING-SITE IN THE UPSTREAM REGION OF DEB-A IS PART OF A DEVELOPMENTALLY-REGULATED NEGATIVE ELEMENT
Author(s): WANG GL; GOLDSTEIN ES
Corporate Source: ARIZONA STATE UNIV,DEPT ZOOL/TEMPE//AZ/85287; ARIZONA STATE UNIV,DEPT ZOOL/TEMPE//AZ/85287
Journal: BIOCHIMICA ET BIOPHYSICA ACTA, 1993, V1216, N1 (OCT 19), P94-104
ISSN: 0006-3002
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/7 (Item 7 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

12507596 Genuine Article#: LR462 No. References: 22
Title: ENHANCED GEL MOBILITY SHIFT ASSAY FOR DNA-BINDING FACTORS
Author(s): HASSANAIN HH; DAI W; GUPTA SL
Corporate Source: HIPPLE CANC RES CTR,4100 S KETTERING BLVD/DAYTON//OH/45439; HIPPLE CANC RES CTR,4100 S KETTERING BLVD/DAYTON//OH/45439
Journal: ANALYTICAL BIOCHEMISTRY, 1993, V213, N1 (AUG 15), P162-167
ISSN: 0003-2697
Language: ENGLISH Document Type: ARTICLE

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Display 3/3/8 (Item 8 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

12328766 Genuine Article#: LC210 No. References: 52
Title: EFFECT OF THE NONCONSERVED N-TERMINUS ON THE DNA-BINDING ACTIVITY OF THE YEAST TATA-BINDING PROTEIN
Author(s): KUDDUS R; SCHMIDT MC
Corporate Source: UNIV PITTSBURGH,SCH MED,DEPT MOLEC GENET & BIOCHEM/PITTSBURGH//PA/15261; UNIV PITTSBURGH,SCH MED,DEPT MOLEC GENET & BIOCHEM/PITTSBURGH//PA/15261
Journal: NUCLEIC ACIDS RESEARCH, 1993, V21, N8 (APR 25), P1789-1796
ISSN: 0305-1048
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/9 (Item 9 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

12327416 Genuine Article#: LC650 No. References: 38
Title: STRUCTURE AND EXPRESSION IN ESCHERICHIA-COLI OF THE GENE CODING FOR PROTEIN P10 OF AFRICAN SWINE FEVER VIRUS

Author(s): MUNOZ M; FREIJE JMP; SALAS ML; VINUELA E; LOPEZOTIN C
Corporate Source: UNI[redacted]UTONOMA MADRID,FAC CIENCIAS,CS[redacted]CTR BIOLMOLEC,CANTO BLANCO/E-28049 MADRID//SPAIN/; UNIV AUTONOMA MADRID,FAC CIENCIAS,CSIC,CTR BIOLMOLEC,CANTO BLANCO/E-28049 MADRID//SPAIN/; UNIV OVIEDO,FAC MED,DEPT BIOL FUNC/OVIEDO//SPAIN/
Journal: ARCHIVES OF VIROLOGY, 1993, V130, N1-2, P93-107
ISSN: 0304-8608
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/10 (Item 10 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
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12316393 Genuine Article#: LB800 No. References: 59
Title: A NOVEL NEGATIVE ELEMENT IN THE PROMOTER OF THE MOUSE ALCOHOL-DEHYDROGENASE GENE ADH-1
Author(s): LIN ZH; EDENBERG HJ; CARR LG
Corporate Source: INDIANA UNIV,SCH MED,DEPT MED,975 W WALNUT ST/INDIANAPOLIS//IN/46202; INDIANA UNIV,SCH MED,DEPT MED,975 W WALNUT ST/INDIANAPOLIS//IN/46202; INDIANA UNIV,SCH MED,DEPT PHARMACOL/INDIANAPOLIS//IN/46202; INDIANA UNIV,SCH MED,DEPT BIOCHEM & MOLEC BIOL/INDIANAPOLIS//IN/46202
Journal: JOURNAL OF BIOLOGICAL CHEMISTRY, 1993, V268, N14 (MAY 15), P 10260-10267
ISSN: 0021-9258
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/11 (Item 11 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
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12208542 Genuine Article#: KV141 No. References: 49
Title: 3 DISTINCT NUCLEAR-PROTEIN BINDING-SITES IN THE PROMOTER OF THE MURINE MULTIDRUG RESISTANCE MDR1B GENE
Author(s): YU LJ; COHEN D; PIEKARZ RL; HORWITZ SB
Corporate Source: YESHIVA UNIV ALBERT EINSTEIN COLL MED,DEPT MOLEC PHARMACOL,1300 MORRIS PK AVE/BRONX//NY/10461; YESHIVA UNIV ALBERT EINSTEIN COLL MED,DEPT MOLEC PHARMACOL,1300 MORRIS PK AVE/BRONX//NY/10461; YESHIVA UNIV ALBERT EINSTEIN COLL MED,DEPT CELLBIOL/BRONX//NY/10461
Journal: JOURNAL OF BIOLOGICAL CHEMISTRY, 1993, V268, N10 (APR 5), P 7520-7526
ISSN: 0021-9258
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/12 (Item 12 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

12159486 Genuine Article#: KR218 No. References: 58
Title: JUNB DIFFERS FROM C-JUN IN ITS DNA-BINDING AND DIMERIZATION DOMAINS, AND REPRESSES C-JUN BY FORMATION OF INACTIVE HETERODIMERS
Author(s): DENG TL; KARIN M
Corporate Source: UNIV CALIF SAN DIEGO,SCH MED,CTR MOLEC GENET,DEPT PHARMACOL/LA JOLLA//CA/92093; UNIV CALIF SAN DIEGO,SCH MED,CTR MOLEC GENET,DEPT PHARMACOL/LA JOLLA//CA/92093

Journal: GENES & DEVELOPMENT, 1993, V7, N3 (MAR), P479-490
ISSN: 0890-9369
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/13 (Item 13 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

11028472 Genuine Article#: GA643 No. References: 63
Title: PROTEINS OF THE NUCLEAR FACTOR-I FAMILY ACT AS AN ACTIVATOR OF THE LATE PROMOTER IN HUMAN POLYOMAVIRUS BK INVITRO
Author(s): CHAKRABORTY T; DAS GC
Corporate Source: UNIV TEXAS,HLTH SCI CTR,DEPT MOLEC BIOL,POB 2003/TYLER//TX/75710; UNIV TEXAS,HLTH SCI CTR,DEPT MOLEC BIOL,POB 2003/TYLER//TX/75710
Journal: JOURNAL OF GENERAL VIROLOGY, 1991, V72, AUG, P1935-1942
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/14 (Item 14 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

10939966 Genuine Article#: FT820 No. References: 27
Title: CONTROL OF TRANSCRIPTION INVITRO FROM SIMIAN VIRUS-40 PROMOTERS BY PROTEINS FROM VIRAL MINICHROMOSOMES
Author(s): BEARD P; BRUGGMANN H
Corporate Source: SWISS INST EXPTL CANC RES/CH-1066 EPALINGES//SWITZERLAND/
Journal: CURRENT TOPICS IN MICROBIOLOGY AND IMMUNOLOGY, 1989, V144, P47-54
Language: ENGLISH Document Type: REVIEW

- end of record -

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Display 3/3/15 (Item 15 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

10717711 Genuine Article#: FB496 No. References: 31
Title: CHARACTERIZATION OF SV40 ENHANCER MOTIFS INVOLVED IN POSITIVE AND NEGATIVE REGULATION OF THE CONSTITUTIVE LATE PROMOTER ACTIVITY - EFFECT OF T-ANTIGEN
Author(s): SCIELLER P; OMILLI F; BORDE J; MAY E
Corporate Source: INST RECH SCI CANC,ONCOL MOLEC LAB/F-94800 VILLEJUIF//FRANCE/; INST RECH SCI CANC,ONCOL MOLEC LAB/F-94800 VILLEJUIF//FRANCE/
Journal: VIROLOGY, 1991, V181, N2, P783-786
Language: ENGLISH Document Type: NOTE

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Display 3/3/16 (Item 16 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

09193652 Genuine Article#: R3666 No. References: 39
Title: HUMAN ETHANOL-**INDUCIBLE** P450IIE1 - COMPLETE GENE SEQUENCE, PROMOTER CHARACTERIZATION, CHROMOSOME MAPPING, AND CDNA-DIRECTED EXPRESSION

Author(s): UMENO M; MCBRIDE OW; YANG CS; GELBOIN HV; GONZALEZ FJ
Corporate Source: NCI[redacted]LEC CARCINOGENESIS LAB/BETHESD[redacted]MD/20892; NCI,BIOCHEM LAB/BETHESDA//MD/20892; UNIV MED & DEN[redacted]NEW JERSEY,NEW JERSEY MED SCH,DEPT BIOCHEM/NEWARK//NJ/07103
Journal: BIOCHEMISTRY, 1988, V27, N25, P9006-9013
Language: ENGLISH Document Type: ARTICLE

- end of record -

?

Display 3/3/17 (Item 17 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

09110376 Genuine Article#: Q6869 No. References: 49
Title: CONCENTRATION-DEPENDENCE OF TRANSCRIPTIONAL TRANSACTIVATION IN **INDUCIBLE** E1A-CONTAINING HUMAN-CELLS
Author(s): BRUNET LJ; BERK AJ
Corporate Source: UNIV CALIF LOS ANGELES,DEPT MICROBIOL/LOS ANGELES//CA/90024; UNIV CALIF LOS ANGELES,DEPT MOLEC BIOL/LOS ANGELES//CA/90024
Journal: MOLECULAR AND CELLULAR BIOLOGY, 1988, V8, N11, P4799-4807
Language: ENGLISH Document Type: ARTICLE

- end of record -

?

Display 3/3/18 (Item 18 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

09089549 Genuine Article#: Q5807 No. References: 34
Title: TARGETING OF AN **INDUCIBLE** TOXIC PHENOTYPE IN ANIMAL-CELLS
Author(s): BORRELLI E; HEYMAN R; HSI M; EVANS RM
Corporate Source: SALK INST BIOL STUDIES,HOWARD HUGHES MED INST,GENE EXPRESS LAB/LA JOLLA//CA/92037
Journal: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 1988, V85, N20, P7572-7576
Language: ENGLISH Document Type: ARTICLE

- end of record -

?

Display 3/3/19 (Item 19 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

08923273 Genuine Article#: P3983 No. References: 46
Title: EXCESS ANTISENSE RNA FROM INFECTIOUS RECOMBINANT SV40 FAILS TO INHIBIT EXPRESSION OF A TRANSFECTED, INTERFERON-**INDUCIBLE** GENE
Author(s): KERR SM; STARK GR; KERR IM
Corporate Source: IMPERIAL CANC RES FUND LABS,POB 123,LINCOLNS INN FIELDS/LONDON WC2A 3PX//ENGLAND/
Journal: EUROPEAN JOURNAL OF BIOCHEMISTRY, 1988, V175, N1, P65-73
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/20 (Item 20 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

08871590 Genuine Article#: P0741 No. References: 69
Title: MOLECULAR CHARACTERIZATION AND CHROMOSOMAL MAPPING OF MELANOMA

GROWTH STIMULATORY ACTIVITY, A GROWTH-FACTOR STRUCTURALLY RELATED TO BETA-THROMBOGLOBU
Author(s): RICHMOND A; BALENTIEN E; THOMAS HG; FLAGGS G; BARTON DE; SPIESS J; BORDONI R; FRANCKE U; DERYNCK R
Corporate Source: VET ADM MED CTR/ATLANTA//GA/00000; EMORY UNIV,SCH MED/ATLANTA//GA/30322; GENENTECH INC,DEPT MOLEC BIOL/S SAN FRANCISCO//CA/94080; YALE UNIV,SCH MED,DEPT HUMAN GENET/NEW HAVEN//CT/06510; SALK INST BIOL STUDIES,MAX PLANCK RES PROGRAM/SAN DIEGO//CA/92138
Journal: EMBO JOURNAL, 1988, V7, N7, P2025-2033
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/21 (Item 21 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

08826865 Genuine Article#: N6338 No. References: 52
Title: UPSTREAM REGULATORY REGION FOR **INDUCIBLE** EXPRESSION OF THE CHICKEN SKELETAL MYOSIN ALKALI LIGHT-CHAIN GENE
Author(s): SHIRAKATA M; NABESHIMA YI; KONISHI K; FUJIIKURIYAMA Y
Corporate Source: JAPANESE FDN CANC RES,INST CANC,DEPT BIOCHEM/TOKYO 170//JAPAN/; TOHOKU UNIV,FAC SCI,INST BIOL/SENDAI/MIYAGI 980/JAPAN/
Journal: MOLECULAR AND CELLULAR BIOLOGY, 1988, V8, N6, P2581-2588
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/22 (Item 22 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

08768339 Genuine Article#: N2825 No. References: 39
Title: ENHANCER-LIKE INTERFERON RESPONSIVE SEQUENCES OF THE HUMAN AND MURINE (2'-5') OLIGOADENYLATE SYNTHETASE GENE PROMOTERS
Author(s): COHEN B; PERETZ D; VAIMAN D; BENECH P; CHEBATH J
Corporate Source: WEIZMANN INST SCI,DEPT VIROL/IL-76100 REHOVOT//ISRAEL/
Journal: EMBO JOURNAL, 1988, V7, N5, P1411-1419
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/23 (Item 23 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

08643419 Genuine Article#: M3557 No. References: 24
Title: PRODUCTION OF RECOMBINANT HUMAN CSF-1 IN AN **INDUCIBLE** MAMMALIAN EXPRESSION SYSTEM
Author(s): WEAVER JF; MCCORMICK F; MANOS MM
Corporate Source: CETUS CORP,DEPT ANALYT DEV,1400 53RD ST/EMERYVILLE//CA/94608; CETUS CORP,DEPT MOLEC BIOL/EMERYVILLE//CA/94608
Journal: BIO-TECHNOLOGY, 1988, V6, N3, P287-290
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/24 (Item 24 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

(c) 1998 Inst for Sci Info. All rts. reserv.

08559709 Genuine Article#: L7672 No. References: 28
Title: ESTABLISHMENT OF A TEMPERATURE-**INDUCIBLE** CELL-LINE FOR HUMAN-PLASMINOGEN ACTIVATOR (TISSUE-TYPE) BY TRANSFECTION OF MONKEY CELLS WITH EXPRESSION CONSTRUCTS
Author(s): WEIDLE UH; LAWETZKY A; BUCKEL P
Corporate Source: BOEHRINGER MANNHEIM GMBH,BIOCHEM RES CTR,BAHNHOFSTR 9-15/D-8132 TUTZING//FED REP GER/
Journal: GENE, 1987, V59, N2-3, P231-239
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/25 (Item 25 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

08325127 Genuine Article#: J9942 No. References: 41
Title: IDENTIFICATION AND CHARACTERIZATION OF THE HUMAN CYTOMEGALO-VIRUS IMMEDIATE-EARLY REGION-2 GENE THAT STIMULATES GENE-EXPRESSION FROM AN **INDUCIBLE** PROMOTER
Author(s): HERMISTON TW; MALONE CL; WITTE PR; STINSKI MF
Corporate Source: UNIV IOWA,DEPT MICROBIOL/IOWA CITY//IA/52242
Journal: JOURNAL OF VIROLOGY, 1987, V61, N10, P3214-3221
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/26 (Item 26 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

08239919 Genuine Article#: J4730 No. References: 57
Title: AN **INDUCIBLE** MAMMALIAN AMBER SUPPRESSOR - PROPAGATION OF A POLIOVIRUS MUTANT
Author(s): SEDIVY JM; CAPONE JP; RAJBHANDARY UL; SHARP PA
Corporate Source: MIT,CTR CANC RES/CAMBRIDGE//MA/02139; MIT,DEPT BIOL/CAMBRIDGE//MA/02139
Journal: CELL, 1987, V50, N3, P379-389
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/27 (Item 27 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

08084270 Genuine Article#: H2971 No. References: 39
Title: INTERFERON-BETA GENE-REGULATION - TANDEMLY REPEATED SEQUENCES OF A SYNTHETIC 6-BP OLIGOMER FUNCTION AS A VIRUS-**INDUCIBLE** ENHANCER
Author(s): FUJITA T; SHIBUYA H; HOTTA H; YAMANISHI K; TANIGUCHI T
Corporate Source: OSAKA UNIV,INST MOLEC & CELLULAR BIOL,YAMADAOKA1-3/SUITA/OSAKA 565/JAPAN/
Journal: CELL, 1987, V49, N3, P357-367
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/28 (Item 28 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

07927106 Genuine Article#: G3034 No. References: 6[illegible]
Title: THE **INDUCIBLE** IAC OPERATOR-REPRESSOR SYSTEM IS FUNCTIONAL IN MAMMALIAN-CELLS
Author(s): HU MCT; DAVIDSON N
Corporate Source: CALTECH,DIV CHEM/PASADENA//CA/91125
Journal: CELL, 1987, V48, N4, P555-566
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/29 (Item 29 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

07901497 Genuine Article#: G1277 No. References: 42
Title: MUTATION OF THE C-FOS GENE DYAD SYMMETRY ELEMENT INHIBITS SERUM **INDUCIBILITY** OF TRANSCRIPTION INVIVO AND THE NUCLEAR REGULATORY FACTOR BINDING INVITRO
Author(s): GREENBERG ME; SIEGFRIED Z; ZIFF EB
Corporate Source: NYU MED CTR,DEPT BIOCHEM/NEW YORK//NY/10016; NYU MED CTR,KAPLAN CANC CTR/NEW YORK//NY/10016
Journal: MOLECULAR AND CELLULAR BIOLOGY, 1987, V7, N3, P1217-1225
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/30 (Item 30 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

07881526 Genuine Article#: F9763 No. References: 43
Title: LOSS OF (2'-5')OLIGOADENYLATE SYNTHETASE-ACTIVITY BY PRODUCTION OF ANTISENSE RNA RESULTS IN LACK OF PROTECTION BY INTERFERON FROM VIRAL-INFECTIONS
Author(s): DEBENEDETTI A; PYTEL BA; BAGLIONI C
Corporate Source: SUNY ALBANY,DEPT BIOL SCI/ALBANY//NY/12222
Journal: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 1987, V84, N3, P658-662
Language: ENGLISH Document Type: ARTICLE

- end of record -

?

Display 3/3/31 (Item 31 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

07654678 Genuine Article#: E9568 No. References: 69
Title: MULTIPLE HORMONE-**INDUCIBLE** ENHANCERS AS MEDIATORS OF DIFFERENTIAL TRANSCRIPTION
Author(s): TOOHEY MG; MORLEY KL; PETERSON DO
Corporate Source: TEXAS A&M UNIV,TEXAS AGR EXPT STN,DEPT BIOCHEM & BIOPHYS/COLLEGE STN//TX/77843
Journal: MOLECULAR AND CELLULAR BIOLOGY, 1986, V6, N12, P4526-4538
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/32 (Item 32 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

(c) 1998 Inst for Sci Info. All rts. reserv.

07496684 Genuine Article#: D8063 No. References: 26
Title: AN **INDUCIBLE** EUKARYOTIC HOST-VECTOR EXPRESSION SYSTEM - AMPLIFICATION OF GENES UNDER THE CONTROL OF THE POLYOMA LATE PROMOTER IN A CELL-LINE PRODUCING A THERMOLABILE LARGE T-ANTIGEN
Author(s): KERN FG; BASILICO C
Corporate Source: NYU,SCH MED,DEPT PATHOL/NEW YORK//NY/10016
Journal: GENE, 1986, V43, N3, P237-245
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/33 (Item 33 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

07379486 Genuine Article#: C9492 No. References: 29
Title: EFFECT OF E1A AND E1B VIRAL-PROTEINS ON THE EXPRESSION OF A CALCIUM IONOPHORE-**INDUCIBLE** GENE AND ITS PROMOTER
Author(s): LIN AY; LEE AS
Corporate Source: UNIV SO CALIF,SCH MED,DEPT BIOCHEM/LOS ANGELES//CA/90033; UNIV SO CALIF,SCH MED,CTR COMPREHENS CANC/LOS ANGELES//CA/90033
Journal: NUCLEIC ACIDS RESEARCH, 1986, V14, N12, P4911-4921
Language: ENGLISH Document Type: ARTICLE

- end of record -

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Display 3/3/34 (Item 34 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

07176022 Genuine Article#: A5751 No. References: 37
Title: A CALCIUM IONOPHORE-**INDUCIBLE** CELLULAR PROMOTER IS HIGHLY-ACTIVE AND HAS ENHANCERLIKE PROPERTIES
Author(s): LIN AY; CHANG SC; LEE AS
Corporate Source: UNIV SO CALIF,SCH MED,DEPT BIOCHEM/LOS ANGELES//CA/90033
Journal: MOLECULAR AND CELLULAR BIOLOGY, 1986, V6, N4, P1235-1243
Language: ENGLISH Document Type: ARTICLE

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FILE 'USPAT' ENTERED AT 16:01:24 ON 11 FEB 1998

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  *                W E L C O M E   T O   T H E                      *
  *          U. S.   P A T E N T   T E X T   F I L E                *
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=> s adenovir? and E2A and promoter?

          2484 ADENOVIR?
           161 E2A
         28681 PROMOTER?
L1          19 ADENOVIR? AND E2A AND PROMOTER?

=> s l1 and inducible

          2870 INDUCIBLE
L2          10 L1 AND INDUCIBLE

=> s l2 and inducible promoter?(10A)E2A

          2870 INDUCIBLE
         28681 PROMOTER?
           952 INDUCIBLE PROMOTER?
                 (INDUCIBLE(W)PROMOTER?)
           161 E2A
             0 INDUCIBLE PROMOTER?(10A)E2A
L3           0 L2 AND INDUCIBLE PROMOTER?(10A)E2A

=> d l2,1-10,cit,ab


1.  5,695,995, Dec. 9, 1997, Neurogenic differentiation (neurod) genes;
Harold M. Weintraub, deceased, et al., 435/325, 69.1, 69.4, 172.3,
252.33, 320.1, 357, 360; 536/23.1, 23.5, 23.51 [IMAGE AVAILABLE]

US PAT NO:      5,695,995 [IMAGE AVAILABLE]             L2: 1 of 10

ABSTRACT:
Neurogenic differentiation genes and proteins are identified, isolated,
and sequenced. Expression of neuroD has been demonstrated in neural,
pancreatic, and gastrointestinal cells. Ectopic expression of neuroD in
non-neuronal cells of Xenopus embryos induced formation of neurons.

2.  5,693,487, Dec. 2, 1997, Nucleic acids encoding max: a
helix-loop-helix zipper protein that forms a sequence-specific
DNA-binding complex with Myc and Mad; Elizabeth M. Blackwood, et al.,
435/69.1, 70.1, 172.3, 252.3, 320.1; 536/23.1, 23.5; 935/11, 22, 66, 70
[IMAGE AVAILABLE]

US PAT NO:      5,693,487 [IMAGE AVAILABLE]             L2: 2 of 10

ABSTRACT:
Nucleic acid molecules capable of hybridizing under stringent conditions
to the nucleotide sequence of the max cDNAs shown in SEQ ID NO: 1 or SEQ
ID NO: 2, or to the nucleotide sequence of the mad cDNAs shown in SEQ ID
NO: 5. The Max polypeptide when associated with the Myc or Mad
```

polypeptide is capable of binding to nucleotide sequences containing CACGTG.

3. 5,686,266, Nov. 11, 1997, Human brain sodium dependent inorganic phosphate cotransproter and related nucleic acid compounds; Binhui Ni, et al., 435/69.1, 7.1, 252.3, 320.1; 536/23.1 [IMAGE AVAILABLE]

US PAT NO: 5,686,266 [IMAGE AVAILABLE] L2: 3 of 10

ABSTRACT:
This invention describes a novel human brain Na.sup.+ -dependent inorganic phosphate cotransporter, designated the hBNPI protein. This invention also encompasses nucleic acids encoding this protein, or a fragment thereof, as well as methods employing this protein and the nucleic acid compounds.

4. 5,652,224, Jul. 29, 1997, Methods and compositions for gene therapy for the treatment of defects in lipoprotein metabolism; James M. Wilson, et al., 514/44; 424/93.21; 435/172.3, 320.1, 325, 354, 366, 369, 370 [IMAGE AVAILABLE]

US PAT NO: 5,652,224 [IMAGE AVAILABLE] L2: 4 of 10

ABSTRACT:
The invention provides a recombinant viral vector comprising the DNA of, or corresponding to, at least a portion of the genome of an **adenovirus**, which portion is capable of infecting a hepatic cell; and a human VLDL receptor gene operatively linked to regulatory sequences directing its expression. The vector is capable of expressing the normal VLDL receptor gene product in hepatic cells in vivo or in vitro. This viral vector is useful in the treatment of metabolic disorders caused by the accumulation of LDL in plasma, such as familial hypercholesterolemia or familial combined hyperlipidemia.

5. 5,624,818, Apr. 29, 1997, Nucleic acids encoding regulatory proteins that dimerize with Mad or Max; Robert N. Eisenman, et al., 435/69.1, 70.1, 172.3, 252.3, 320.1; 536/23.1, 23.5; 935/11, 22, 70, 72 [IMAGE AVAILABLE]

US PAT NO: 5,624,818 [IMAGE AVAILABLE] L2: 5 of 10

ABSTRACT:
An isolated nucleic acid molecule capable of hybridizing under stringent conditions to the mSinA nucleotide sequence shown in FIG. 22 (SEQ ID NO:11), the mSin9A nucleotide sequence shown in FIG. 28 (SEQ ID NO:17), and/or the mSinB nucleotide sequence shown in FIG. 30 (SEQ ID NO:19). This isolated nucleic acid molecule preferably encodes a recombinant polypeptide which associates with a Mad polypeptide to form a recombinant polypeptide:Mad complex, which preferably associates with a Max polypeptide to form a recombinant polypeptide:Mad:Max complex, which preferably binds to a nucleotide sequence comprising CACGTG (SEQ ID NO:16). An isolated nucleic acid molecule capable of hybridizing under stringent conditions to a nucleotide sequence selected from among clone 10 shown in FIG. 24 (SEQ ID NO:9), clone 18 shown in FIG. 25 (SEQ ID NO:10), clone 19 shown in FIG. 26 (SEQ ID NO:11), and clone 20 shown in FIG. 27 (SEQ ID NO:12). This isolated nucleic acid molecule preferably encodes a recombinant polypeptide capable of associating with a Max polypeptide.

6. 5,618,918, Apr. 8, 1997, Human brain sodium dependent inorganic phosphate cotransporter; Binhui Ni, et al., 530/350, 300 [IMAGE AVAILABLE]

US PAT NO: 5,618,918 [IMAGE AVAILABLE] L2: 6 of 10

ABSTRACT:
This invention descri[redacted] a novel human brain Na.sup.+ [redacted]pendent inorganic phosphate cotransporter, designated the hBNPI protein. This invention also encompasses nucleic acids encoding this protein, or a fragment thereof, as well as methods employing this protein and the nucleic acid compounds.

7. 5,618,677, Apr. 8, 1997, Human brain sodium dependent inorganic phosphate cotransporter assay; Binhui Ni, et al., 435/7.1, 7.2, 69.1, 252.3, 320.1 [IMAGE AVAILABLE]

US PAT NO: 5,618,677 [IMAGE AVAILABLE] L2: 7 of 10

ABSTRACT:
This invention describes a novel human brain Na.sup.+ -dependent inorganic phosphate cotransporter, designated the hBNPI protein. This invention also encompasses nucleic acids encoding this protein, or a fragment thereof, as well as methods employing this protein and the nucleic acid compounds.

8. 5,580,564, Dec. 3, 1996, Method for modifying the cell, tissue or host tropism of microorganisms; recombinant microorganisms obtained in this way and use thereof in medicine and veterinary medicine; Koenraad L. Glazenburg, et al., 424/229.1, 815; 435/172.1, 172.3, 236; 536/23.1, 24.1 [IMAGE AVAILABLE]

US PAT NO: 5,580,564 [IMAGE AVAILABLE] L2: 8 of 10

ABSTRACT:
The invention relates to a microorganism having a modified cell, tissue or host tropism whereby at least one gene of the microorganism, preferably an essential gene, is brought under the control of a nucleotide sequence specific for the cell, the tissue or the host. The specific nucleotide sequence can be a **promoter** sequence and/or enhancer sequence, which can be **inducible**. The invention is also directed at the use of such a recombinant microorganism for the provision of protection against the corresponding natural microorganism.

9. 5,552,309, Sep. 3, 1996, Use of polyols for improving the introduction of genetic material into cells; Keith L. March, 435/172.3; 424/93.1, 93.2, 426; 435/235.1, 320.1; 514/44; 935/57 [IMAGE AVAILABLE]

US PAT NO: 5,552,309 [IMAGE AVAILABLE] L2: 9 of 10

ABSTRACT:
A process for introducing an expression vehicle (e.g., plasmids, retroviral vectors, **adenoviral** vectors) into cells, which comprises contacting the cells with the expression vehicle and a polyol. The polyol may be a polyoxalkylene block copolymer, such as a polyoxypropylene-polyoxyethylene block copolymer. The use of the polyol provides for greater efficiency of transduction of the expression vehicle.

10. 5,302,519, Apr. 12, 1994, Method of producing a Mad polypeptide; Elizabeth M. Blackwood, et al., 435/69.1, 6, 69.3, 70.21; 530/350, 351; 536/23.1, 23.5 [IMAGE AVAILABLE]

US PAT NO: 5,302,519 [IMAGE AVAILABLE] L2: 10 of 10

ABSTRACT:
Nucleic acid molecules capable of hybridizing under stringent conditions to the nucleotide sequence residing between positions 1 and 453 of the max cDNAs shown in FIG. 2, or to the nucleotide sequence residing between positions 148 and 810 of the mad cDNAs shown in FIG. 14. The Max polypeptide when associated with the Myc or Mad polypeptide is capable of binding to nucleotide sequences containing CACGTG.

HILIGHT set on as ''
? begin 5,6,55,154,155,156,312,351,399,biotech,biosci

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    Set  Items  Description
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? s adenovir? and E2A and promoter?

Processed  20 of  57 files ...
Processing
Processed  50 of  57 files ...
Completed processing all files
          125113  ADENOVIR?
            3297  E2A
          612970  PROMOTER?
      S1     617  ADENOVIR? AND E2A AND PROMOTER?
? s s1 and inducible

             617  S1
          179684  INDUCIBLE
      S2      39  S1 AND INDUCIBLE
? rd s2

>>>Duplicate detection is not supported for File 351.
>>>Duplicate detection is not supported for File 42.
>>>Duplicate detection is not supported for File 140.
>>>Duplicate detection is not supported for File 187.
>>>Duplicate detection is not supported for File 189.
>>>Duplicate detection is not supported for File 286.
>>>Duplicate detection is not supported for File 428.
>>>Duplicate detection is not supported for File 429.
>>>Duplicate detection is not supported for File 441.
>>>Duplicate detection is not supported for File 446.
>>>Duplicate detection is not supported for File 449.
>>>Duplicate detection is not supported for File 452.
>>>Duplicate detection is not supported for File 455.
>>>Duplicate detection is not supported for File 456.

>>>Records from unsupported files will be retained in the RD set.
...completed examining records
      S3      19  RD S2 (unique items)
? d s3/3/1-19

      Display 3/3/1     (Item 1 from file: 5)
DIALOG(R)File   5:BIOSIS PREVIEWS(R)
(c) 1998 BIOSIS. All rts. reserv.

7682447     BIOSIS Number: 90050447
  THE EMBRYONAL CARCINOMA STEM CELL ELA-LIKE ACTIVITY INVOLVES A
DIFFERENTIATION-REGULATED TRANSCRIPTION FACTOR
  LA THANGUE N B; THIMMAPPAYA B; RIGBY P W J
  LAB. EUKARYOTIC MOL. GENET., NATL. INST. MED. RES., THE RIDGEWAY, MILL
HILL, LONDON NW7 1AA, UK.
  NUCLEIC ACIDS RES 18 (10). 1990.  2929-2938.   CODEN: NARHA
  Full Journal Title:  Nucleic Acids Research
  Language: ENGLISH

                                - end of record -
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      Display 3/3/2     (Item 2 from file: 5)
DIALOG(R)File   5:BIOSIS PREVIEWS(R)
(c) 1998 BIOSIS. All rts. reserv.
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6943828 BIOSIS Number: 87004349
CYCLIC AMP INDUCTION OF EARLY **ADENOVIRUS PROMOTERS** INVOLVES SEQUENCES REQUIRED FOR E1A TRANS-ACTIVATION
SASSONE-CORSI P
MOL. BIOL. VIROL. LAB., SALK INST., P.O. BOX 85800, SAN DIEGO, CALIF. 92138.
PROC NATL ACAD SCI U S A 85 (19). 1988. 7192-7196. CODEN: PNASA
Full Journal Title: Proceedings of the National Academy of Sciences of the United States of America
Language: ENGLISH

- end of record -

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Display 3/3/3 (Item 3 from file: 5)
DIALOG(R)File 5:BIOSIS PREVIEWS(R)

6613502 BIOSIS Number: 86080053
AN **ADENOVIRUS** E1A-LIKE TRANSCRIPTION FACTOR IS REGULATED DURING THE DIFFERENTIATION OF MURINE EMBRYONAL CARCINOMA STEM CELLS
LA THANGUE N B; RIGBY P W J
LAB. EUKARYOTIC MOL. GENETICS, NATL. INST. MED. RES., THE RIDGEWAY, MILL HILL, LONDON NW7 1AA, UK.
CELL 49 (4). 1987. 507-514. CODEN: CELLB
Full Journal Title: Cell
Language: ENGLISH

- end of record -

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Display 3/3/4 (Item 4 from file: 5)
DIALOG(R)File 5:BIOSIS PREVIEWS(R)

6446672 BIOSIS Number: 85047193
A CELLULAR PROTEIN ACTIVATING TRANSCRIPTION FACTOR ACTIVATES TRANSCRIPTION OF MULTIPLE E1A-**INDUCIBLE ADENOVIRUS** EARLY **PROMOTERS**
LEE K A W; HAI T-Y; SIVARAMAN L; THIMMAPPAYA B; HURST H C; JONES N C; GREEN M R
DEP. BIOCHEM. AND MOL. BIOL., HARVARD UNIV., 7 DIVINITY AVE., CAMBRIDGE, MASS. 02138.
PROC NATL ACAD SCI U S A 84 (23). 1987. 8355-8359. CODEN: PNASA
Full Journal Title: Proceedings of the National Academy of Sciences of the United States of America
Language: ENGLISH

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Display 3/3/5 (Item 1 from file: 154)
DIALOG(R)File 154:MEDLINE(R)

04809110 86062906
Isolation and analysis of **adenovirus** type 5 mutants containing deletions in the gene encoding the DNA-binding protein.
Rice SA; Klessig DF
J Virol (UNITED STATES) Dec 1985, 56 (3) p767-78, ISSN 0022-538X Journal Code: KCV
Contract/Grant No.: AI 17315, AI, NIAID; T32GM07464-08, GM, NIGMS
Languages: ENGLISH
Document type: JOURNAL ARTICLE

- end of record -

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Display 3/3/6 (Item 1 from file: 351)
DIALOG(R)File 351:DERWENT WPI
(c)1998 Derwent Info Ltd. All rts. reserv.

010754580 **Image available**
WPI Acc No: 96-251535/199625
XRAM Acc No: C96-079575
New replication-deficient **adenoviral** vectors having lethal early region gene deletions - useful in treatment of hereditary and acquired diseases, cancer gene therapies, and vaccines for prevention of infectious diseases
Patent Assignee: CELL GENESYS INC (CELL-N)
Inventor: FINER M H; JIA X; WANG Q
Number of Countries: 067 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9614061	A1	19960517	WO 95US14793	A	19951103	A61K-031/00	199625 B
AU 9641092	A	19960531	WO 95US14793	A	19951103	A61K-031/00	199639
			AU 9641092	A	19951103		
EP 797436	A1	19971001	EP 95939149	A	19951103	A61K-031/00	199744

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Display 3/3/6 (Item 1 from file: 351)
DIALOG(R)File 351:DERWENT WPI
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WO 95US14793 A 19951103

Priority Applications (No Type Date): US 94333680 A 19941103
Filing Details:

Patent	Kind	Filing Notes	Application	Patent
WO 9614061	A1			
		Designated States (National): AL AM AU BB BG BR BY CA CN CZ EE FI GE HU IS JP KG KP KR KZ LK LR LS LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK TJ TM TT UA UZ VN		
		Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG		
AU 9641092	A	Based on	WO 9614061	
EP 797436	A1	Based on	WO 9614061	
		Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE		

Language, Pages: WO 9614061 (E, 110); EP 797436 (E)

- end of record -

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Display 3/3/7 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 1998 American Chemical Society. All rts. reserv.

105147272 CA: 105(17)147272k JOURNAL
Identification of a factor in HeLa cells specific for an upstream transcriptional control sequence of an EIA-inducible adenovirus promoter and its relative abundance in infected and uninfected cells
AUTHOR(S): SivaRaman, Lakshmi; Subramanian, Subhalakshmi; Thimmappaya, Bayar
LOCATION: Med. Sch., Northwestern Univ., Chicago, IL, 60611, USA
JOURNAL: Proc. Natl. Acad. Sci. U. S. A. DATE: 1986 VOLUME: 83
NUMBER: 16 PAGES: 5914-18 CODEN: PNASA6 ISSN: 0027-8424 LANGUAGE: English

- end of record -

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Display 3/3/8 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)

104162762 CA: 104(19)162762t JOURNAL
Negative regulatory sequences in the EIa-inducible enhancer of the adenovirus-2 early EIIa promoter
AUTHOR(S): Jalinot, P.; Kedinger, C.
LOCATION: INSERM, Univ. Louis Pasteur, 67085, Strasbourg, Fr.
JOURNAL: Nucleic Acids Res. DATE: 1986 VOLUME: 14 NUMBER: 6 PAGES: 2651-69 CODEN: NARHAD ISSN: 0305-1048 LANGUAGE: English

- end of record -

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Display 3/3/9 (Item 1 from file: 76)
DIALOG(R)File 76:Life Sciences Collection

01403997 2344693
The environment carcinoma stem cell Ela-like activity involves a differentiation-regulated transcription factor.
Thangue, N.B.L.; Thimmappaya, B.; Rigby, P.W.J.
Lab. Eukaryotic Mol. Genet., Natl. Inst. Med. Res., The Ridgeway, Mill Hill, London NW7 1AA, UK
NUCLEIC ACIDS RES. vol. 18, no. 10, pp. 2929-2938 (1990.)
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH
SUBFILE: Biochemistry Abstracts Part 2: Nucleic Acids

- end of record -

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Display 3/3/10 (Item 2 from file: 76)
DIALOG(R)File 76:Life Sciences Collection

01203697 1891347
Cyclic AMP induction of early **adenovirus promoters** involves sequences required for E1A trans-activation.
Sassone Corsi, P.
Mol. Biol. and Virol. Lab., Salk Inst., P.O. Box 85800, San Diego, CA 92138, USA
PROC. NATL. ACAD. SCI. USA. vol. 85, no. 19, pp. 7192-7196 (1988.)
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH
SUBFILE: Virology Abstracts; Genetics Abstracts; Biochemistry Abstracts Part 2: Nucleic Acids

- end of record -

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Display 3/3/11 (Item 1 from file: 149)
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)

01703022 SUPPLIER NUMBER: 19553136 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Transcriptional regulation of the surfactant protein-A gene in fetal lung.(Thomas L. Petty 39th Annual Aspen Lung Conference: Genes and Gene Therapy)
Mendelson, Carole R.; Gao, Erwei; Young, Pampee P.; Michael, Laura F.; Alcorn, Joseph L.
Chest, v111, n6, p96S(9)

June, 1997
PUBLICATION FORMAT: M[redacted]zine/Journal ISSN: 0012-3692[redacted]ANGUAGE: English
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional
WORD COUNT: 5298 LINE COUNT: 00435

- end of record -

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Display 3/3/12 (Item 2 from file: 149)
DIALOG(R)File 149:IAC(SM)Health&Wellness DB(SM)

01083741 SUPPLIER NUMBER: 04066237 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Repression of the immunoglobulin heavy chain enhancer by the **adenovirus**-2 E1A products.
Hen, Rene; Borrelli, Emoliana; Chambon, P.
Science, v230, p1391(4)
Dec 20, 1985
PUBLICATION FORMAT: Magazine/Journal ISSN: 0036-8075 LANGUAGE: English
RECORD TYPE: Fulltext TARGET AUDIENCE: Academic
WORD COUNT: 1835 LINE COUNT: 00180

- end of record -

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Display 3/3/13 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotechnology Abs

199759 DBA Accession No.: 96-09939 PATENT
New replication-deficient **adenoviral** vectors having lethal early region gene deletions - adeno virus and adeno-associated virus-based vector for human gene therapy and genetic immunization
AUTHOR: Wang Q; Finer M H; Jia X C
CORPORATE SOURCE: Foster City, CA, USA.
PATENT ASSIGNEE: Cell-GeneSys 1996
PATENT NUMBER: WO 9614061 PATENT DATE: 960517 WPI ACCESSION NO.: 96-251535 (9625)
PRIORITY APPLIC. NO.: US 333680 APPLIC. DATE: 941103
NATIONAL APPLIC. NO.: WO 95US14793 APPLIC. DATE: 951103
LANGUAGE: English

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Display 3/3/14 (Item 1 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

15524709 Genuine Article#: WM911 No. References: 37
Title: Conditional repression of the E2 transcription unit in E1-E3-deleted **adenovirus** vectors is correlated with a strong reduction in viral DNA replication and late gene expression in vitro
Author(s): Rittner K (REPRINT) ; Schultz H; Pavirani A; Mehtali M
Corporate Source: TRANSGENE SA,GENE THERAPY DEPT, 11 RUE MOLSHEIM/F-67000 STRASBOURG//FRANCE/ (REPRINT)
Journal: JOURNAL OF VIROLOGY, 1997, V71, N4 (APR), P3307-3311
ISSN: 0022-538X Publication date: 19970400
Publisher: AMER SOC MICROBIOLOGY, 1325 MASSACHUSETTS AVENUE, NW, WASHINGTON, DC 20005-4171
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

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Display 3/3/15 (Item 2 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

12719632 Genuine Article#: MJ341 No. References: 68
Title: **E2A** EXPRESSION, NUCLEAR-LOCALIZATION, AND IN-VIVO FORMATION OF DNA-BINDING AND NON-DNA-BINDING SPECIES DURING B-CELL DEVELOPMENT
Author(s): JACOBS Y; VIERRA C; NELSON C
Corporate Source: UNIV CALIF RIVERSIDE,DEPT BIOCHEM/RIVERSIDE//CA/92521; UNIV CALIF RIVERSIDE,DEPT BIOCHEM/RIVERSIDE//CA/92521
Journal: MOLECULAR AND CELLULAR BIOLOGY, 1993, V13, N12 (DEC), P7321-7333
ISSN: 0270-7306
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/16 (Item 3 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

12545429 Genuine Article#: LV644 No. References: 57
Title: THE **E2A** GENE-PRODUCT CONTAINS 2 SEPARABLE AND FUNCTIONALLY DISTINCT TRANSCRIPTION ACTIVATION DOMAINS
Author(s): ARONHEIM A; SHIRAN R; ROSEN A; WALKER MD
Corporate Source: WEIZMANN INST SCI,DEPT BIOCHEM/IL-76100 REHOVOT//ISRAEL/; WEIZMANN INST SCI,DEPT BIOCHEM/IL-76100 REHOVOT//ISRAEL/
Journal: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 1993, V90, N17 (SEP 1), P8063-8067
ISSN: 0027-8424
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/17 (Item 4 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

11274924 Genuine Article#: GX118 No. References: 69
Title: ANALYSIS OF VIRAL AND CELLULAR GENE-EXPRESSION DURING PROGRESSION AND SUPPRESSION OF THE TRANSFORMED PHENOTYPE IN TYPE 5 **ADENOVIRUS** -TRANSFORMED RAT EMBRYO CELLS
Author(s): DUIGOU GJ; SU ZZ; BABISS LE; DRISCOLL B; FUNG YKT; FISHER PB
Corporate Source: COLUMBIA UNIV COLL PHYS & SURG,INST CANC RES,DEPT PATHOL,CTR CANC,650 W 168TH ST/NEW YORK//NY/10032; COLUMBIA UNIV COLL PHYS & SURG,INST CANC RES,DEPT PATHOL,CTR CANC,650 W 168TH ST/NEW YORK//NY/10032; COLUMBIA UNIV COLL PHYS & SURG,INST CANC RES,DEPT UROL,CTR CANC/NEW YORK//NY/10032; COLUMBIA UNIV COLL PHYS & SURG,INST CANC RES,DEPT NEUROL SURG,CTR CANC/NEW YORK//NY/10032; ROCKEFELLER UNIV/NEW YORK//NY/10021; CHILDRENS HOSP,DEPT OPHTHALMOL/LOS ANGELES//CA/90054; UNIV SO CALIF/LOS ANGELES//CA/90054
Journal: ONCOGENE, 1991, V6, N10 (OCT), P1813-1824
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/18 (Item 5 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

10812073 Genuine Article#: FH326 No. References: 24
Title: INTERFERENCE WITH PROTEIN-BINDING AT AP2 SITES BY SEQUENCE-SPECIFIC METHYLATION IN THE LATE **E2A PROMOTER** OF **ADENOVIRUS**

TYPE-2 DNA
Author(s): HERMANN R; [redacted]ERFLER W
Corporate Source: UNIV [redacted]OLOGNE,INST GENET,WEYERTAL 121/[redacted]5000 COLOGNE 41//FED REP GER/; UNIV COLOGNE,INST GENET,WEYERTAL 121/D-5000 COLOGNE 41//FED REP GER/
Journal: FEBS LETTERS, 1991, V281, N1-2, P191-195
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/3/19 (Item 6 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

10685884 Genuine Article#: EZ331 No. References: 36
Title: MULTICOMPONENT DIFFERENTIATION-REGULATED TRANSCRIPTION FACTORS IN F9-EMBRYONAL CARCINOMA STEM-CELLS
Author(s): SHIVJI MKK; LATHANGUE NB
Corporate Source: NATL INST MED RES,EUKARYOT MOLEC GENET LAB,RIDGEWAY MILL HILL/LONDON NW7 1AA//ENGLAND/; NATL INST MED RES,EUKARYOT MOLEC GENET LAB,RIDGEWAY MILL HILL/LONDON NW7 1AA//ENGLAND/
Journal: MOLECULAR AND CELLULAR BIOLOGY, 1991, V11, N3, P1686-1695
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 3/9/15 (Item 2 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

12719632 Genuine Article#: MJ341 Number of References: 68
Title: **E2A** EXPRESSION, NUCLEAR-LOCALIZATION, AND IN-VIVO FORMATION OF DNA-BINDING AND NON-DNA-BINDING SPECIES DURING B-CELL DEVELOPMENT
Author(s): JACOBS Y; VIERRA C; NELSON C
Corporate Source: UNIV CALIF RIVERSIDE,DEPT BIOCHEM/RIVERSIDE//CA/92521; UNIV CALIF RIVERSIDE,DEPT BIOCHEM/RIVERSIDE//CA/92521
Journal: MOLECULAR AND CELLULAR BIOLOGY, 1993, V13, N12 (DEC), P7321-7333
ISSN: 0270-7306
Language: ENGLISH Document Type: ARTICLE
Geographic Location: USA
Subfile: SciSearch; CC LIFE--Current Contents, Life Sciences
Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY
Abstract: A monoclonal antibody (Yae) was characterized and shown to specifically recognize **E2A** proteins in vivo, including the **E2A**-Pbx1 fusion gene products, p77E2A-Pbx1 and p85E2A-Pbx1. **E2A** proteins of a predominant molecular mass of 72 kDa, which

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DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
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comigrated with in vitro-produced rat E12 and rat E47, were detected in human pro-B, pre-B, mature B, and plasma cell lines. The Yae antibody detected an **E2A**-containing muE2 enhancer element-binding complex (BCF-1) in pre-B- and mature B-cell lines in electrophoretic mobility shift assays which displayed a migration rate similar to that of in vitro-produced rat E12 and rat E47. A new **E2A**-containing muE2-binding species (P-**E2A**) was identified in plasma cells by

using electrophoretic mobility shift assays. **E2A** proteins were detected in pro-B cells but were unable to bind the muE2 site. These observations suggest that the muE2 site is the target of stage-specific **E2A** regulatory complexes during B-cell development. Immunostaining analyses demonstrated the predominant nuclear localization of **E2A** proteins. Finally, we have identified an **E2A** form, designated I-**E2A**, which is unable to bind DNA. Our observations demonstrate novel in vivo mechanisms for the regulation of transcription by **E2A** proteins during B-cell development.

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Display 3/9/19 (Item 6 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

10685884 Genuine Article#: EZ331 Number of References: 36
Title: MULTICOMPONENT DIFFERENTIATION-REGULATED TRANSCRIPTION FACTORS IN F9-EMBRYONAL CARCINOMA STEM-CELLS
Author(s): SHIVJI MKK; LATHANGUE NB
Corporate Source: NATL INST MED RES,EUKARYOT MOLEC GENET LAB,RIDGEWAY MILL HILL/LONDON NW7 1AA//ENGLAND/; NATL INST MED RES,EUKARYOT MOLEC GENET LAB,RIDGEWAY MILL HILL/LONDON NW7 1AA//ENGLAND/
Journal: MOLECULAR AND CELLULAR BIOLOGY, 1991, V11, N3, P1686-1695
Language: ENGLISH Document Type: ARTICLE
Geographic Location: ENGLAND
Subfile: SciSearch; CC LIFE--Current Contents, Life Sciences
Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY
Abstract: Murine F9 embryonal carcinoma (F9 EC) stem cells have an E1a-like transcription activity that is down-regulated as these cells differentiate to parietal endoderm. For the **adenovirus E2A promoter**, this activity requires at least two sequence-specific

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DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
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transcription factors, one that binds the cyclic AMP-responsive element (CRE) and the other, DRTF1, the DNA-binding activity of which is down-regulated as F9 EC cells differentiate. Here we report the characterization of several binding activities in F9 EC cell extracts, referred to as DRTF 1a, 1b and 1c, that recognize the DRTF1 cis-regulatory sequence (-70 to -50 region). These activities can be chromatographically separated but are not distinguishable by DNA sequence specificity. Activity 1a is a detergent-sensitive complex in which DNA binding is regulated by phosphorylation. In contrast, activities 1b and 1c are unaffected by these treatments but exist as multicomponent protein complexes even before DNA binding. Two sets of DNA-binding polypeptides, p50DR and p30DR, affinity purified from F9 EC cell extracts produce complexes 1b and 1c. Both polypeptides appear to be present in the same DNA-bound protein complex and both directly contact DNA. These affinity-purified polypeptides activate transcription in vitro in a binding-site-dependent manner. These data indicate the in F9 EC stem cells, multicomponent

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Display 3/9/19 (Item 6 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
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differentiation-regulated transcription factors contribute to the cellular E1a-like activity.
Identifiers--KeyWords Plus: DEPENDENT ACTIVATION; BINDING PROTEINS; TRANS-ACTIVATION; E1A GENE; **PROMOTER**; EXPRESSION; DNA; E2F; EMBRYOGENESIS; PURIFICATION
Research Fronts: 89-1013 003 (SEQUENCE-SPECIFIC DNA INTERACTION OF THE FOS JUN PROTEIN COMPLEX; EARLY GENE INDUCTION; TRANSCRIPTION FACTOR AP-1; LEUCINE ZIPPER DOMAIN)
89-3178 002 (LIVER-SPECIFIC PYRUVATE-KINASE GENE **PROMOTER**; NUCLEAR FACTOR-I; INVITRO TRANSCRIPTION; **ADENOVIRUS** DNA-BINDING PROTEIN; CCAAT BOX SEQUENCE)
89-4793 002 (IMMUNOGLOBULIN HEAVY-CHAIN **PROMOTER**; INVITRO TRANSCRIPTION; C-MYC GENE; OCTAMER MOTIF; **INDUCIBLE** NUCLEAR FACTORS; UPSTREAM MUSCLE-SPECIFIC ENHANCER)
89-7387 001 (EMBRYONAL CARCINOMA-CELLS; RETINOIC ACID-INDUCED NEURAL DIFFERENTIATION; TESTIS-SPECIFIC ANTIGEN OF THE C57BL/6 MOUSE)
Cited References:

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Display 3/9/10 (Item 2 from file: 76)
DIALOG(R)File 76:Life Sciences Collection

01203697 1891347
Cyclic AMP induction of early **adenovirus promoters** involves sequences required for E1A trans-activation.
Sassone Corsi, P.
Mol. Biol. and Virol. Lab., Salk Inst., P.O. Box 85800, San Diego, CA 92138, USA
PROC. NATL. ACAD. SCI. USA. vol. 85, no. 19, pp. 7192-7196 (1988.)
DOCUMENT TYPE: Journal article LANGUAGE: ENGLISH
SUBFILE: Virology Abstracts; Genetics Abstracts; Biochemistry Abstracts Part 2: Nucleic Acids

Early in **adenovirus** infection, the E1A (early region 1A) oncogene products trans-activate the other early viral transcription units, as well as some cellular **promoters**. The mechanism by which E1A elicits its activity is still unknown. In this report, the authors show that **adenovirus E2a** and E3 **promoters** are cAMP **inducible**

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Display 3/9/10 (Item 2 from file: 76)
DIALOG(R)File 76:Life Sciences Collection

in rat pheochromocytoma PC12 cells and that this activation requires the presence of the cAMP-dependent protein kinase II. Using deletion mutants of the **E2a promoter**, it was found that the sequence TACGTCAT located between positions -70 and -77 is involved in both the cAMP response and the E1A trans-activation.

DESCRIPTORS: **adenovirus**; **promoters**; cyclic AMP; protein kinase; gene expression
IDENTIFIERS: early region; induction; rats; pheochromocytoma cells; effects on; trans-activation
SECTION HEADING: 22044 --Viral nucleic acid synthesis & synthesis of virus-coded proteins; 07313 --Viruses; 14662 --Gene regulation

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